

REMARKS

This response is offered in reply to the Office Action of May 27, 2004. A petition and fee for a two month time extension are enclosed.

Applicant acknowledges and appreciates the indicated allowability of claims 2, 5, 6, 11, 12, 19, and 25 as well as claim 27 which depends from claim 25 via claim 26.

On page 2 of the office action, claims 1, 3, 4, 7-10, 13-18, 20-22, and 24-26 are rejected under 35 USC 102(a) as anticipated by the Zhu et al. technical article.

Applicant believes the rejection is in error with respect to claim 25 and 26 since claim 25 is indicated to contain allowable subject matter as indicated on page 1 of the office action (Disposition of Claims) and claim 26 depends from claim 25.

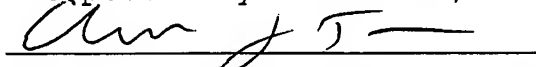
Applicant submits herewith a Declaration Of Prior Invention under 37 CFR 1.131 establishing that the invention was made before the effective date of the technical article. In particular, the examiner is directed to Runs 2311, 2312, and 2313 of the run sheets and log book pages attached to the aforementioned Declaration Of Prior Invention. Runs 2311 and 2312 involved deposition of a thermal barrier coating comprising 7 weight % yttria, 46 weight % hafnium and balance zirconia. Run 2313 involved deposition of a thermal barrier coating comprising 20 weight % yttria, 40 weight % hafnium and balance zirconia.

Applicant believes the aforementioned Declaration Of Prior Invention is effective to swear-behind the Zhu et al. technical article.

Applicant requests that the examiner withdraw the Zhu et al. technical article as a reference against claims 1, 3, 4, 7-10, 13-18, 20-22, and 24.

As a result, Applicant believes the pending claims are in condition for allowance, and action to that end is requested.

Respectfully submitted,



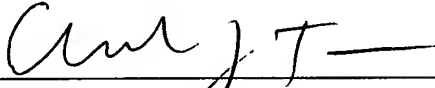
Edward J. Timmer Reg. No. 27,402

enclosure: Declaration Of Prior Use & Postal card

USSN 10/024 518

CERTIFICATE OF MAILING

I hereby certify that this correspondence and enclosures are being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents P.O. Box 1450, Alexandria, VA 22313-1450, on October 22, 2004.



Edward J. Timmer